

REMARKS

The objection to claim 12 has been cured.

With respect to the Response to Arguments in the final rejection, it is suggested that the claim limitation added to claim 1 is shown in column 8, lines 39-50 of Lin. In Lin, the sum-of-the-absolute-differences is calculated for each macroblock by subtracting reduced-width pixel values. This generates the absolute value of the difference and then all the absolute values are summed. So the operation is to subtract the reduced-width pixel values which can be represented as x minus the reduced-width pixel values. Then this difference has its absolute value calculated.

So now we have the absolute value of x minus the reduced-width pixel values. Then all these absolute values are summed. So we have a sum of the absolute values of x minus the reduced-width pixel value.

In contrast claim 1 calls for adding an offset to said reference macro block's uncompressed video data value and said search window macro block's video data value. Simply adding up all the absolute values of x minus the reduced-width pixel value can not mathematically equal the claimed operation. It calls for adding an offset to the reference block and search window block uncompressed video data values.

Simply subtracting the reduced-width pixel values from something, taking its absolute value and then adding all these absolute values together can never correspond to adding an offset to the original reduced-width pixel values. No offset could mathematically be argued to have been added to the reduced-width pixel values in Lin and therefore reconsideration would be appropriate.

Respectfully submitted,

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